

IN THE CLAIMS

Please cancel claims 8-31 without prejudice or disclaimer as follows:

1. (ORIGINAL) An olfactory mucosa stimulating compound screening apparatus, comprising:

an administration means for administering an olfactory mucosa stimulating compound toward an olfactory mucosa of a test animal;

a measuring electrode portion implanted in an olfactory bulb of the test animal for measuring an electrical signal generated in the olfactory bulb; and

a processing means for analyzing a correlation between an electrical signal measured by the measuring electrode portion when the olfactory mucosa stimulating compound is administered to the olfactory mucosa of the test animal by the administration means and a physiological response induced in the test animal.

2. (ORIGINAL) An olfactory mucosa stimulating compound screening apparatus according to claim 1, wherein the processing means directly obtains data concerning the physiological response from the test animal, so as to analyze the correlation between the physiological response and the electrical signal obtained by the measuring electrode portion.

3. (ORIGINAL) An olfactory mucosa stimulating compound screening apparatus according to claim 1, wherein the processing means previously stores data concerning an electrical signal in the olfactory bulb which induces a physiological response in the test animal, and analyzes based on the data the correlation between a physiological response and an electrical signal obtained by the measuring electrode portion.

4. (ORIGINAL) An olfactory mucosa stimulating compound screening apparatus according to claim 1, wherein the administration means includes a box for containing the olfactory mucosa stimulating compound, and a nozzle for spraying the

olfactory mucosa stimulating compound contained in the box in the vicinity of the olfactory mucosa of the test animal.

5. (ORIGINAL) An olfactory mucosa stimulating compound screening apparatus according to claim 1, wherein the measuring electrode portion has at least one micro electrode for detecting an electrical signal from a nerve cell of the olfactory bulb.

6. (ORIGINAL) An olfactory mucosa stimulating compound screening apparatus according to claim 5, wherein the measuring electrode portion has a plurality of micro electrodes, the microelectrodes being arranged such that an electrical signal pattern generated in the olfactory bulb by administration of the olfactory mucosa stimulating compound to the olfactory mucosa of the test animal is obtained at a plurality of points.

A (7. (ORIGINAL) An olfactory mucosa stimulating compound screening apparatus according to claim 5, wherein an electrical signal which induces a physiological response in the test animal is supplied to each of the micro electrodes.

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